Agilent Technologies

SUPELCO

Certificate of Analysis

2,5-Dihydroxybenzoic Acid

Agilent Part Number: G2039A Sample Lot Number: 5607698

Concentration (weight to volume) and Purity/Grades

Neat Material	Gravimetric Concentration	Neat Material Purity and or Grade
2,5-Dihydroxybenzoic Acid (CAS NO.: 490-79-9)	15.4 mg/ml (+/- 1.0%)	99.90%

Solvent Composition:

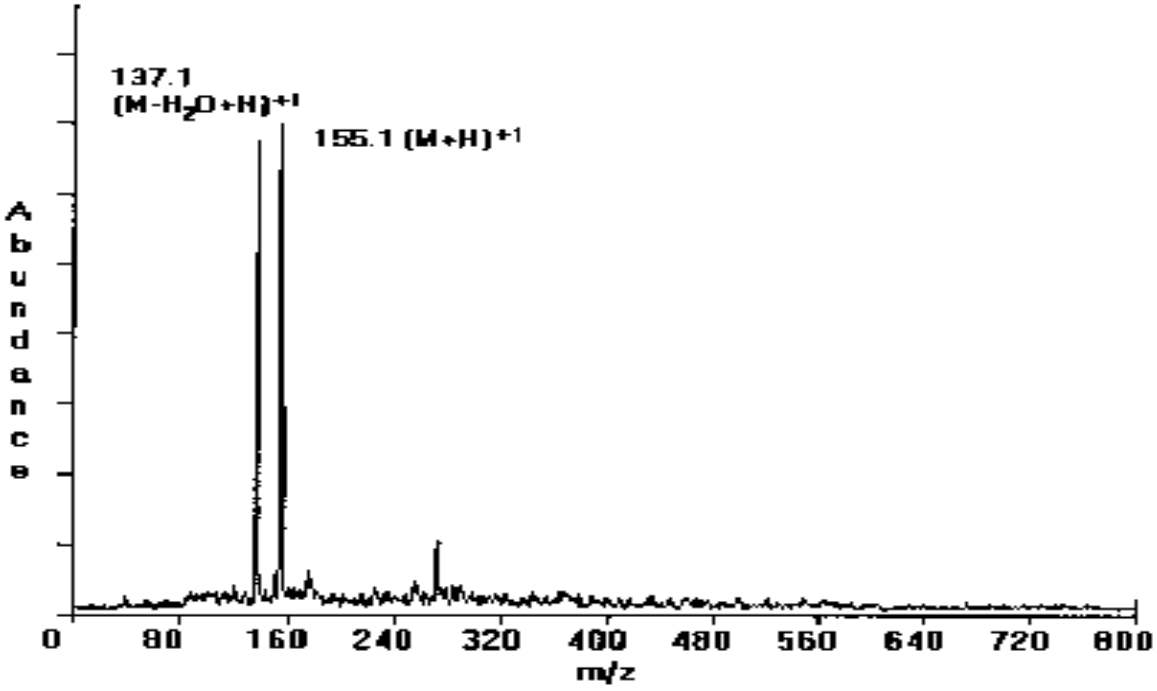
DI Water (CAS NO.: 7732-18-5)	10.0%	(+/- 0. 5 ml)	De-ionized
Methanol (CAS NO.: 67-56-1)	90.0%	(+/- 0.5 ml)	Capillary High Resolution Grade 99.9%

Traceability:

This standard has been produced gravimetrically using ISO9001 quality procedures. Balances used are calibrated regularly and meet the requirements of ISO. High-performance liquid chromatography mass spectroscopy was used to evaluate system performance.

Analytical Spectrum:

DHB Matrix



Matrix Solution Properties

Composition:

100mM solution of 2,5-dihydroxybenzoic acid in methanol/water
Formula weight: 154.12 Da ($C_7H_6O_4$)
pH: 2.00
Recommended excitation wavelength: 250-280 and 320-370 nm
Typical laser fluence (337 nm, N_2 laser); ~5.6 mJoule/cm^2

Date of Release: 22 October 2002
Date of Expiration: 22 April 2004

Elwood Doughty
QA Manager
Supelco, Inc.